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XVIII. *A Catalogue of the Fifty Plants from Chelsea Garden, presented to the Royal Society, by the worshipful Company of Apothecaries, for the Year 1754, pursuant to the Direction of Sir Hans Sloane, Baronet, Med. Reg. & Soc. Reg. nuper Præses, by John Wilmer, M. D. Societat. Pharmacæut. Lond. Socius, Hort. Chelf. Præfectus & Prælector Botan.*

Read April 10, 1601
1755.

- A** Ntirrhinum Siculum Linariæ folio, niveo flore, Tilli.
- 1602 Calcalia caule herbaceo foliis hastato-fagittatis denticulatis, petiolis superne dilatatis. Hort. Upsal. 254.
- 1603 Calamintha Hispanica frutescens Mari folio. Inst. R. H. 194.
Melissa fruticosa ramis attenuatis virgatis foliis subtus tomentosis. Linn. Sp. Plant. 593.
- 1604 Calendula foliis obverse ovatis denticulatis, caule fruticoso perenni. Fl. Leyd. Prod. 531.
- 1605 Campanula hortensis rapunculi radice repente. M. H. 2. 460.
Campanula repens flore minore cæruleo. J. B. 2. 706.
- 1606 Caryophyllus minimus muralis. C. B. 211.
Lychnis minima muralis. M. H. 2. 547.
- 1607 Cephalanthus foliis oppositis ternisque. Fl. Virg. 15.

Scabiosa

- Scabiosa dendroides Americana ternis foliis
caulem ambientibus, floribus ochro-leucis.
Pluk. Alm. 336.
- 1608 Cerinthe quorundam major, fl. ex rubro-pur-
purascente. J. B. 3. 603.
- 1609 Chenopodium Lini folio villoso. T. 506.
Linaria scoparia. C. B. P. 212.
- 1610 Clematis Hispanica surrecta altera et humilior,
fl. albicante. H. R. Par.
- 1611 Clymenum Hispanicum flore vario, filiqua ar-
ticulata. T. 396.
Lathyrus vicioides vexillo rubro, petalis ro-
strum ambientibus cæruleis. M. H. 2. 50.
- 1612 Cochlearia altissima Glausti folio. T. 215.
Lepidium. C. B. 96.
- 1613 Conyza latifolia viscosa suaveolens flore aureo,
ex Gallo-provincia. Tourn. 455.
Conyza Pyrenaica foliis Primulæ veris. Par.
Bat. 127.
- 1614 Coreopsis foliis linearibus integerrimis caule
erecto. Fl. Virg. 18.
- 1615 Corispermum Hyssopifolium. D. Jussieu, Ac.
Reg. Sc. 1712.
- 1616 Digitalis Hispanica purpurea minor. T. 165.
Digitalis Verbaschi folio purpurea minor pe-
rennis Hispanica. Bar. Icon. 1183.
- 1617 Dipsacus folio laciniato. C. B. P. 385.
- 1618 Dodartia foliis lanceolatis ferratis, floribus spi-
catis. Linaria Bellidis folio. C. B. P. 212.
Prod. 106.
- 1619 Fabago triphylla et tetraphylla flore tetrape-
talo, fructu membranaceo quadrangulari.
Burm. pl. Afric. 7. Tab. 3.

- Zigophyllum* capsularum angulis compresso
membranaceis. Linn. Sp. Plant. 383.
- 1620 *Geranium Anemones folio*. Par. Bat. 178.
- 1621 *Heliotropium Canariense* arborescens, fol. Scorodoniæ. H. Am. 129.
- 1622 *Hermannia* fol. Ibisci hirsuto, flore primo
luteo, deinde purpuro-rubello. An *Hermannia* frutescens folio oblongo molli cordato hirsuto. Boerh. Ind. Alt.
- 1623 *Hesperis lutea* filiquis strictissimis. Tourn. 222.
Draba lutea quibusdam. J. B. 2. 870.
- 1624 *Hieracium Echioides* capitulis *Cardui benedicti* majus *Arabicum* folio sinuato. Hort. Edinburg.
- 1625 *Hieracium Pyrenaicum* longifolium amplexicaule. T. 472.
- 1626 *Jasminoides aculeatum* humile *Halimi minoris* folio, flore majore violaceo, fructu crassiore per maturitatem flavescente. Michel. Nov. Gen. 224.
- 1627 *Ketmia Ægyptiaca* *Vitis* folio, parvo flore. Tourn.
- 1628 *Lathyrus Tingitanus* filiquis *Orobi*, fl. amplo ruberrimo. M. H. 2. 55.
- 1629 *Lotus leguminibus conjugatis* membranaceo quadrangulis bracteis oblongo-ovatis. Linn. Sp. Plant. 774.
Lotus luteus filiqua angulosa. Boer. Ind. Alt. 2. p. 37.
- 1630 *Lychnis segetum* rubra foliis *Perfoliatae*. C. B. 204. *Vaccaria*. Dod. Pempt. 104.
- 1631 *Marrubium Hispanicum* calyce stellato et aculeato. I. R. H. 182. *Alysson Galeni*. Clus. Hist. 35.

- 1632 *Medica major erectior*, floribus purpurascen-
tibus. Tourn. 410.
- 1633 *Mespilus foliis ovatis ferratis*, pomis ovatis ex
luteo virentibus nobis.
- 1634 *Mespilus foliis ovatis*, obtusis, crenatis, spinis
longis tenuibus, fructu singulari rotundo,
umbilico foliaceo. An *Mespilus Virginiana*.
Uvæ crispæ foliis. Pluk. Mant.
- 1635 *Ornithogalum humile foliis ovatis sessilibus*,
floribus corymbosis, nobis.
- 1636 *Osteospermum foliis oblongis acute dentatis*,
caule fruticoso diffuso, nobis.
- 1637 *Othonna foliis pinnatifidis laciniis linearibus*
parallelis. H. Cliff. 419. *Jacobæa Africana*
frutescens foliis *Absointhii umbelliferi* incanis.
H. Amst. 2. p. 137.
- 1638 *Pelecinus vulgaris*. T. 417. *Astragalus purpu-*
reus annuus peregrinus, filiquis utriusque
ferræ similibus. M. Hist. 2. 107.
- 1639 *Phyllis stipulis dentatis*. Flor. Leyd. Prod. 92.
Valerianella Canariens. frutescens simpla nobla
dicta. Hort. Eltham 405.
- 1640 *Plantago angustifolia paniculis Lagopi*. C. B.
374.
- 1641 *Ruyfchiana floribus verticillatis*, nobis.
- 1642 *Samolus Valerandi*. J. B. 3. 791. *Anagallis*
aquatica folio rotundo non crenato. C. B. P.
252.
- 1643 *Scabiosa stellata folio laciniato major*. Tourn.
- 1644 *Solanum spiniferum frutescens spinis igneis*
Americanum. Pluk. Phyt. 225. fig. 5.
- 1645 *Telephium Dioscoridis Imperati*.

- Telephium repens folio non deciduo. C. B. P.
287.
- 1646 Thalictrum minus alterum Parisiense foliis
crassioribus et lucidis. H. R. Par.
- 1647 Tithymalus maritimus. C. B. P. 291.
Tithimalus paralius. J. B. 3. 674.
- 1648 Trifolium Bitumen redolens. C. B. 327.
- 1649 Trifolium Bitumen redolens angustifolium.
Boer. Ind. Alt. 2. p. 32.
Trifolium bituminosum arboreum angustifo-
lium ac sempervirens. Hort. Cath.
- 1650 Virga aurea Canadensis foliis carnosis non fer-
ratis latioribus. Hist. Oxon.
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XIX. *A Letter to the Right Honourable
George Earl of Macclesfield, President of
the Royal Society, on the Advantage of
taking the Mean of a Number of Obser-
vations, in practical Astronomy: By
T. Simpson, F. R. S.*

My Lord,

Read April 10, 1755. **I**T is well known to your Lordship,
that the method practised by astrono-
mers, in order to diminish the errors arising from the
imperfections of instruments, and of the organs of sense,
by taking the Mean of several observations, has not
been so generally received, but that some persons, of
considerable note, have been of opinion, and even
publickly maintained, that one single observation,
taken